

Effectiveness of Farmer Field School (FFS) approach on technology development of Integrated Pest Management (IPM) in Shirvan-Chardavol Township

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Integrated Pest Management (IPM) is an ecological approach controlling pests. Like other ecological systems in this kind of management are wed, this kind of management is dynamic procedure. In fact, this approach is a combination of technologies for controlling many of pests that are based on a maximum dependency to a biological control of pests' population along whit a combination of mechanical and agricultural approaches and if necessary use of pesticides in reduced amounts. The aim of the present study was investigating effectiveness of the Farms Field School (FFS) approach in promoting Integrated Pest Management Technology the view of pomegranate planters in Shirvan-Chardavol town. Statistical society included 77 pomegranate planters that were studied through census. The required data was gathered through a researcher made questionnaire. The panel of expert confirmed the questionnaires validity. Its reliability was estimated by calculating the Cranach's alpha coefficient for 30 questionnaires administered pilot study using SPSSV19 software ($\alpha= 0.85$). The results showed a positive significant relationship between the planting background, pomegranate planters' view, pomegranate planters' knowledge, educational level, and relationship with promote center as independent variables and the effectiveness of FFS approach as the dependent variable. On the other hand, regression analysis indicated that 85 percent of variances was related to age, relationship with promote center, pomegranate planters' view regarding FFS approach and pomegranate planters' knowledge.

Key words: Effectiveness, Integrated Pest Management, Farms Field School, Technology development